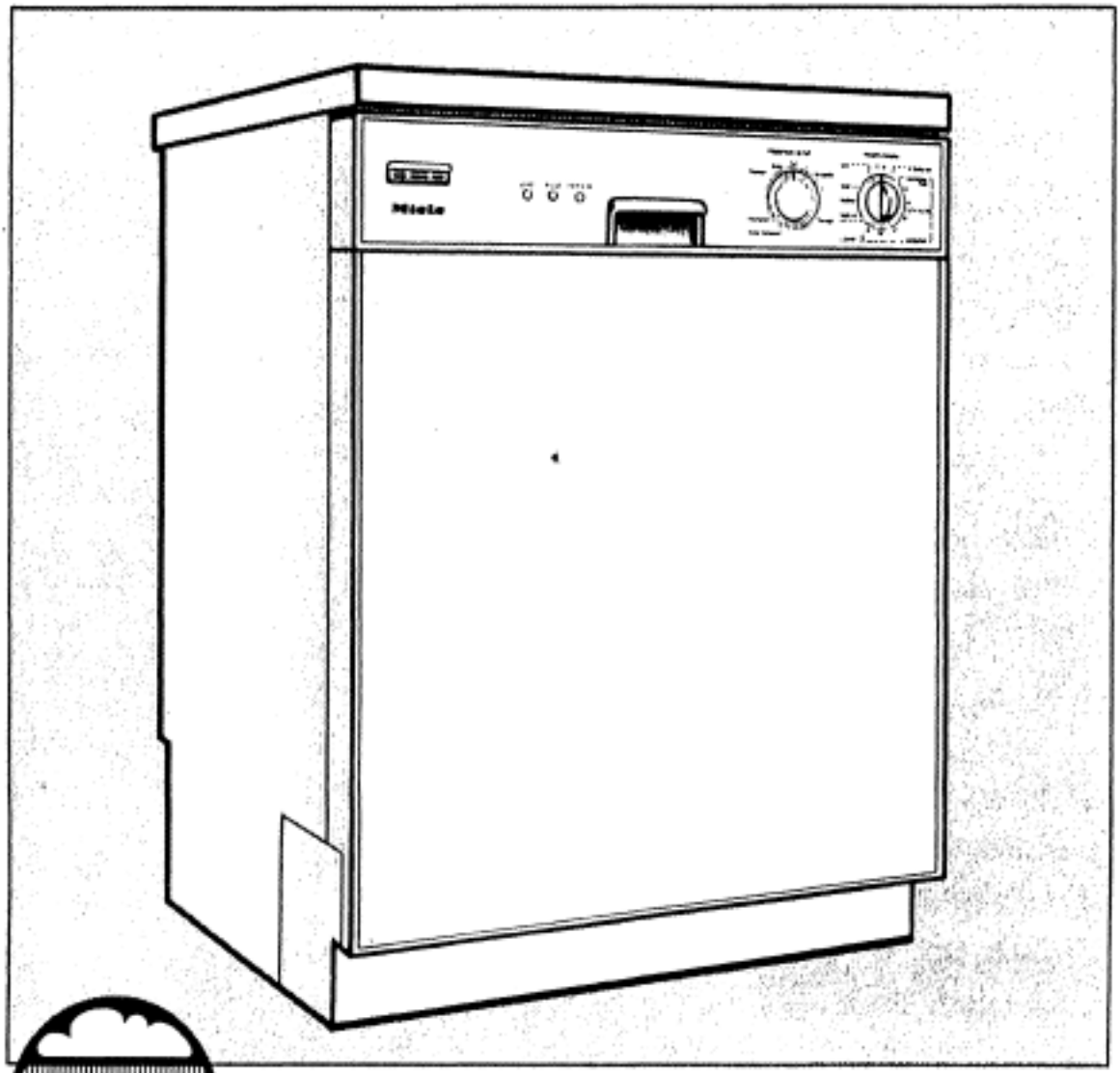
Miele®

Operating instructions for the dishwasher

G 590 / G 590 SC



CARING FOR THE ENVIRONMENT

This paper is manufactured from straw cellulose. Straw is a natural agricultural residue from cereal production and its use in paper helps to save more trees.

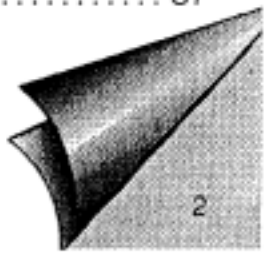
USA

T.-Nr. 2881294/05

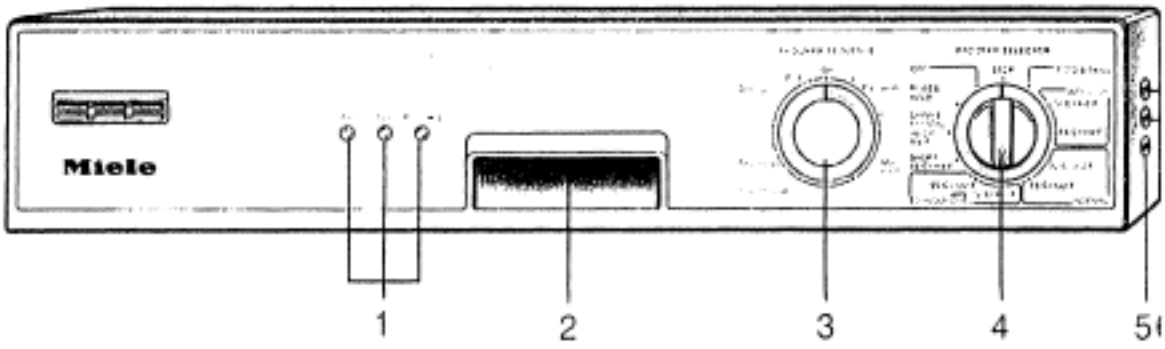
Contents

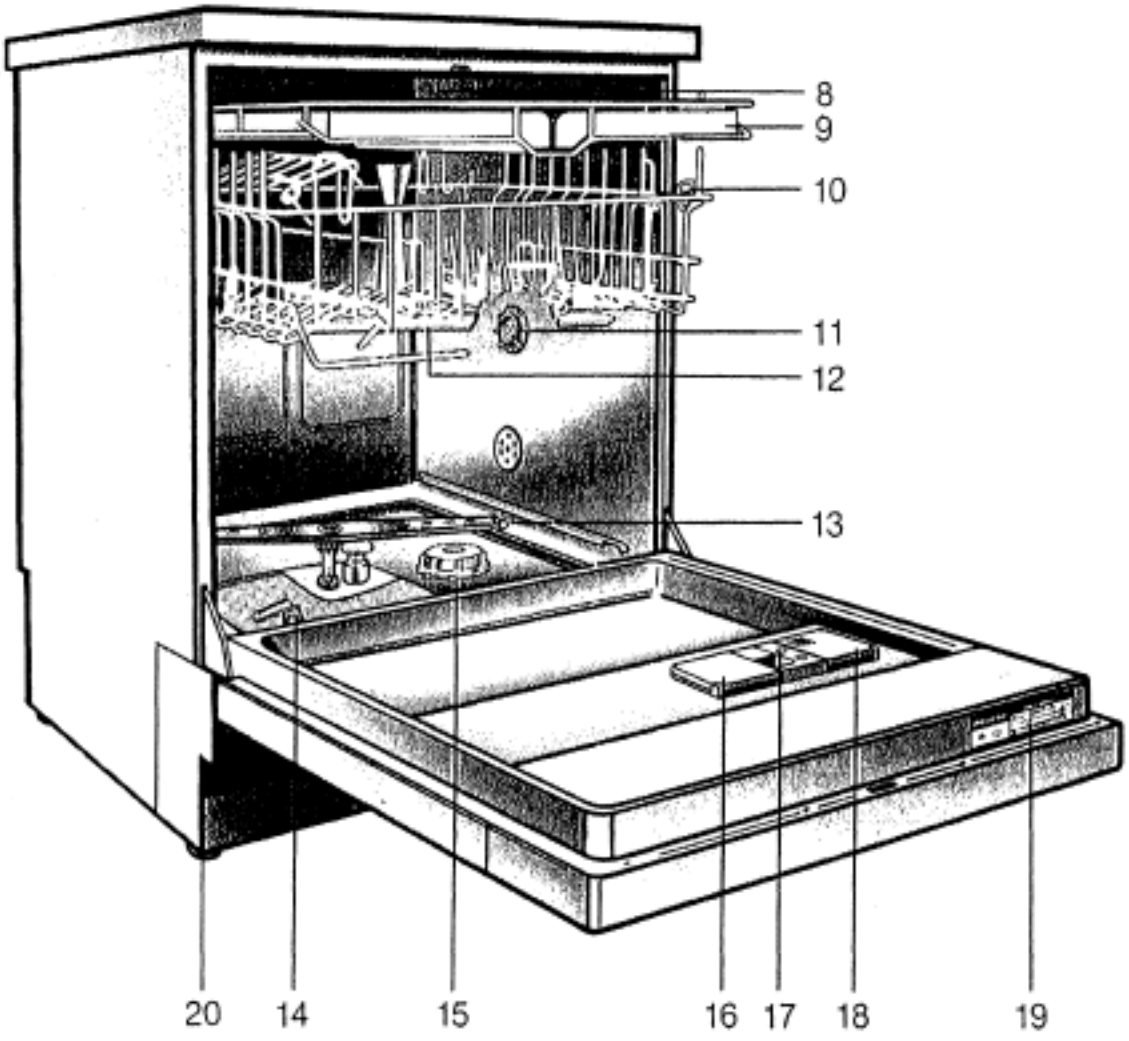
Page

Description of Appliance 3
Important Safety Instructions 5
Economy Wash 6
Opening and Closing the Door 7
Water Softener 8
Adding Rinse Aid 11
Loading Dishwasher 13
Cutlery tray (G 590 SC) 14
Loading Examples (G 590 SC) 15
Loading Examples (G 590) 16
Adjusting Upper Basket 17
Not suitable for Dishwasher 19
Adding Detergent 20
Selecting Program 21
Types of Programs 22
Switching ON and OFF 24
Changing program 24
To interrupt a program 25
Unloading Dishwasher 25
Cleaning and Care 26
Additional Functions 30
- Non-heated drying 30
- Turbothermal drying 30
- Level-controlled water intake 31
Dealing with Minor Faults 32
Installation 34
Electrical Connection 35
Plumbing 36
Technical Data 37



Description of Appliance





Description of Appliance

1. Indicator Lights
2. Door Release
3. Program Sequence Indicator
4. Program Selector
5. Selector Switch for Turbothermic Drying
6. Selector Switch for level-controlled water intake with time override (for low water pressure)
7. Selector Switch for Heated Drying ON/OFF
8. Upper Spray Arm (not visible)
9. Cutlery Tray (only on G 590 SC)
10. Upper Basket
11. Water Hardness Selector
12. Center Spray Arm
13. Lower Spray Arm
14. Filter Combination
15. Storage Reservoir for Salt
16. Detergent Dispenser
17. Rinse Aid Indicator
18. Storage Container for Rinse Aid with Dosage Selector
19. Data Plate
20. Four Leveling Screw Feet

Make your contribution to protect our environment

Disposal of the packing material

The transport and protective packing is mostly manufactured from the following re-useable materials:

- corrugated paper/card board
- polystyrene – CFC-free
- polyethylene foil (transparent)
- fiber board – solvent-free
- untreated wood

Don't throw these materials away with your ordinary rubbish. Take them to the nearest collection point. Your local authority will tell you where it is.

Disposal of your old machine

There are materials in old machines which can be re-used, so please don't simply dispose of your old machine, but ask your local authority or scrap merchant whether those parts are re-useable or recyclable.

WARNING –
When using your dishwasher, follow basic precautions, including the following:

- Always read instructions before using the appliance. This prevents damage to the appliance and ensures your safety.
- Use the appliance only for its intended purpose.
- The appliance conforms with the uniform Safety Regulations. Repairs should only be carried out by qualified experts.
  Disconnect the appliance from the power supply when servicing (pull out plug or remove fuse).
- Install built-in and integrated units only under a continuous countertop which is secured to adjacent cabinetry.
- The dishwasher must be electrically grounded. Read installation instructions for details.
- Use only recommended detergents and rinsing aids.
- Do not use your dishwasher unless all enclosure panels are properly in place.
- To reduce the risk of injury, do not allow children to play in or on a dishwasher.
- Dishwasher detergent contains Sodium Silicate and Sodium Carbonate. In case of eye contact, immediately flush well with water. If swallowed, give large quantities of milk or water. Call a physician. Keep out of reach of children.
- Do not tamper with controls.
- Do not drink the water from the wash cabinet!
- When loading items to be washed:
  a. Locate sharp items so that they are not likely to damage the door seal, and
  b. Load sharp knives with the handle up to reduce a risk of cut-type injuries.
- Do not wash plastic items unless marked "dishwasher safe" or the equivalent.
- For items not marked, check manufacturer's recommendations.
- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- Do not touch the heating elements during or immediately after the rinse cycle. Risk of burns!
- Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.
- Hydrogen gas may build in the water heater and hot water pipes when the hot water system has not been used for two weeks or more.
  CAUTION – hydrogen gas is explosive. If the hot water system has not been used for such a period, before using the dishwasher turn on all hot water faucets and let the water flow from each for several minutes. Do not use the dishwasher before doing so. As running hot water will release any accumulated hydrogen gas, do not smoke or use an open flame while the faucets are open.

SAVE THESE INSTRUCTIONS

Economy Wash

These dishwashers are extremely water and energy saving. Note the following hints:

- Connect dishwasher to hot water. This saves time and energy and protects the dishes.

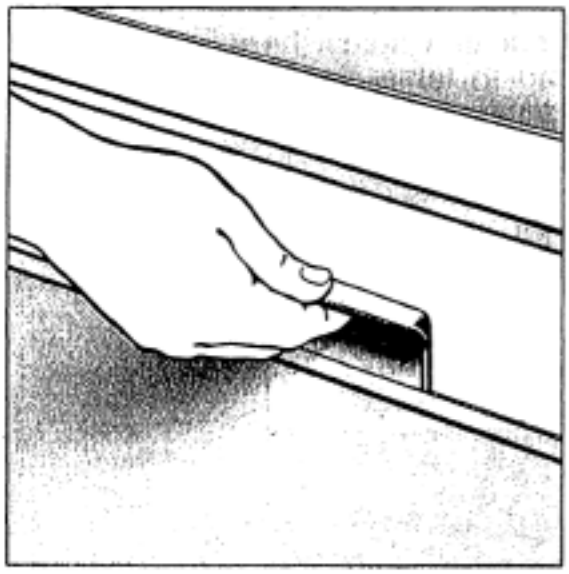
  Energy costs are further reduced if the water is pre-heated.

- Fill the baskets to full capacity, but do not overload.
- Select a program according to type of load and amount of soils.
- For half-loaded baskets, select "Economy" Program.
- Pay attention to dosage instructions for the detergent.

Opening and Closing the Door

To Open

Hold handgrip and push up.



If door is opened during operation, all functions are automatically interrupted.

To Close

- Insert baskets.
- Pull door up and close until it catches.

Water Softener

To prevent mineral deposits on dishes and inside the dishwasher, the water must first be softened, if it is harder than 8 grains per gallon.

The built-in water softener works efficiently only if:

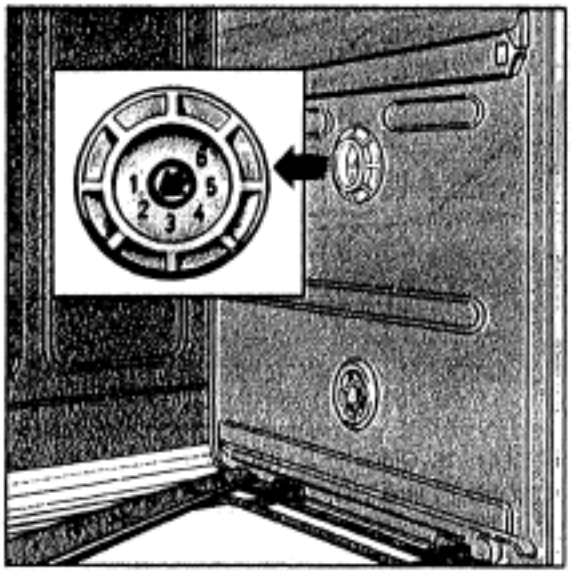
1. it is set correctly
2. the salt container is kept full.

Exception:

If the degree of hardness in local water is permanently under 8 grains per gallon (140 mg/liter) with low carbonate hardness, there is no need to reactivate. Your local water authority will advise you on water hardness in your area.

Water Hardness Selector

After consulting your local water authority to establish water hardness in your area, adjust the selector according to table below, using a screwdriver or coin:



Water Hardness Selector Adjustments

6 positions are possible:

Pos.	Hardness level	mg/l	Grains per gallon
1	2	140- 250	8-14
2*	3	260- 380	15-22
3		390- 630	23-36
4		640- 840	37-48
5	4	850-1160	49-66
6		1170-1250	67-72

* set at factory

NOTE

If your dishwasher is set to "Level-controlled water intake" (see p. 31) the water hardness selector must be set one setting higher than for the water hardness present (except position 6).

Filling the salt reservoir

Please use only special coarse-grained reactivation salt, as other salts may contain insoluble additives which can impair the functioning of the softener.

Inadvertently filling the salt reservoir with dishwasher detergent will always lead to damage to the water softener.
Make sure that you have picked up the right packet of reactivating salt before filling the salt reservoir.

- Remove lower basket
- Unscrew cap of salt reservoir

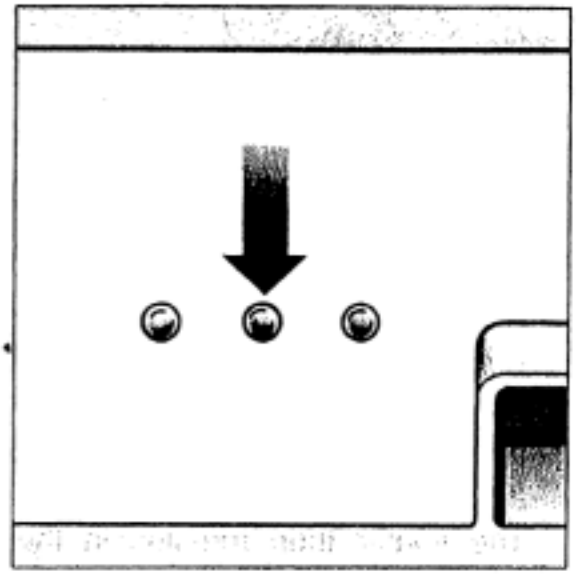
Before filling the salt reservoir for the first time:

- Fill salt reservoir with approx. 2 quarts of water

- Using the funnel provided, add salt (approx. 4.4 lbs.) up to the rim of the reservoir.
- Remove any grains of salt from the threaded union of the salt reservoir, replace plastic cap and tighten.

Immediately thereafter run the "Rinse & Hold Program" to remove any traces of salt from the cabinet. This is not necessary if a normal program is used rightaway.

"Salt" indicator



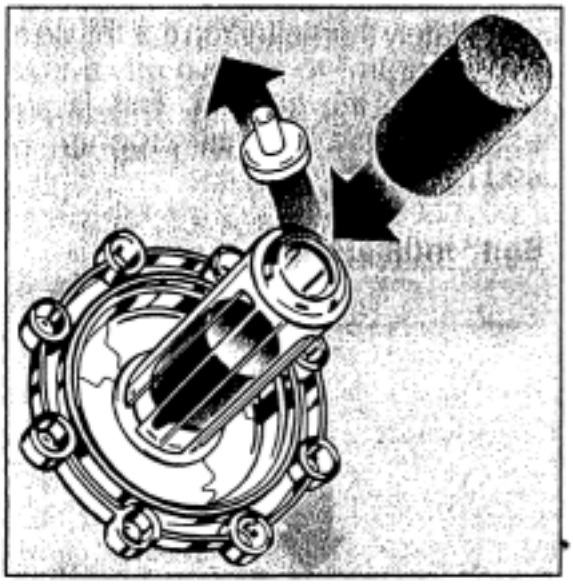
If the "Salt" indicator light comes on, water softener salt must be replenished.

Note:

If the water hardness level is permanently below 8 grains/gallon, then the salt indicator light may be ignored.

Water Softener / Filling Salt Reservoir

Should the salt indicator light stay constantly on, the floater inside the cap of the salt reservoir may be blocked.



- Break out the bottom of the floater guide.
- Push the enclosed foam rubber piece through the bottom of the floater guide.

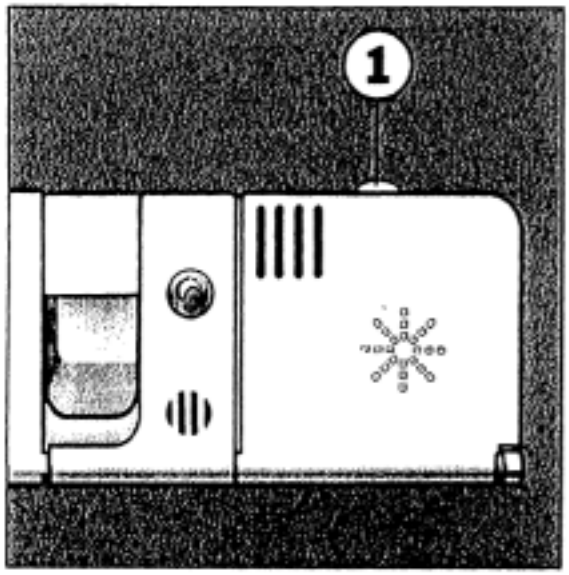
  The floater then remains in the upper part and the indicator light is thus shut off.

Adding Rinse Aid

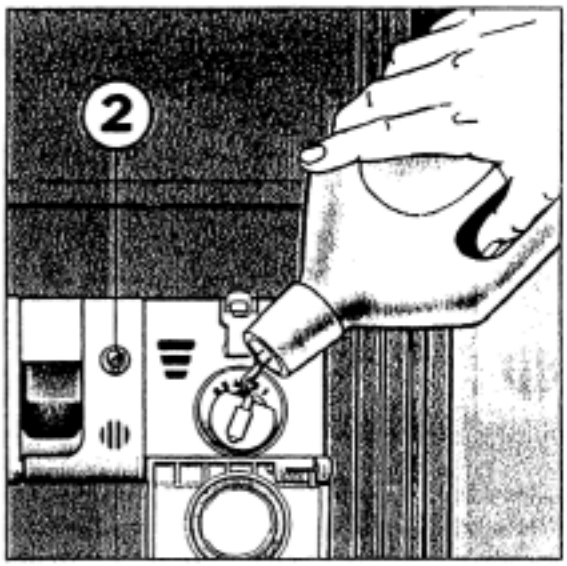
Rinse Aid is necessary for spotless dishes.

It is poured into the storage container and the required amount is automatically dispensed during the final rinse.

Inadvertently filling the rinse aid storage container with powder or liquid detergent always leads to damage to the storage container.
Only pour rinse aid formulated for domestic dishwashers into the rinse aid storage container.
Although it is possible to use household vinegar with at least 5% acid content, or liquid citric acid (up to 50% acid) as an alternative, the resulting rinsing and drying quality will not be as good as when rinse aid is used.
Do not use vinegar with a high acid content (e.g. vinegar essence 25% acid). This could damage the dishwasher.



- Depress button until lid opens (1).



- Add Rinse Aid until top of level indicator gets dark (2).
- Close lid tightly, wipe off any excess Rinse Aid.

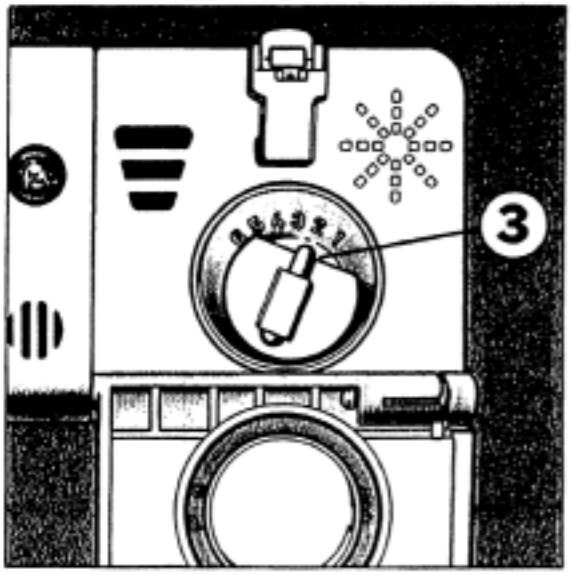
The lid is always closed at the end of the program!

When to add Rinse Aid (Liquid Jet Dry (Blue Liquid), commonly available in the USA)

The Rinse Aid level indicator shows how much Rinse Aid is stored in the container. Always add Rinse Aid when level indicator does not show the dark coloring.

Adding Rinse Aid

Rinse Aid dosage



- To obtain the best drying results use the selector on setting 5.
- Set dosage selector (3) to higher setting when dishes show spots.
- Turn lower, if dishes are cloudy.

Please Note:

- Place dishes in such order that they can be rinsed from all sides.
- Dishes and cutlery should not cover each other.
- Hollow objects, such as cups, glasses and pots should be inverted.
- Dishes with recessed bottoms, such as cups, bowls, etc., should be placed in such a way that the water runs off.
- Place tall, narrow objects in the center basket.
- Do not cover small objects in top basket with large ones, for example: place dessert cups on top of regular cups, not the other way around.
- Make sure not to cover up the inlet funnel to the spray arm in the center of upper basket.
- Do not block spray arms with tall objects. If necessary, manually rotate the arms to test them.

Upper Basket

The upper basket mainly accommodates small, delicate objects, such as:

- Cups
- Saucers
- Dessert Plates
- Glasses
- Small Bowls
- Heat-Resistant Plastic Ware

Lower Basket

The lower basket accommodates large objects, such as:

- Plates
- Saucepans
- Bowls

Glasses may only be cleaned in the lower basket fitted with special glassware insert.

Cutlery – For Dishwasher with Cutlery Basket (G 590)

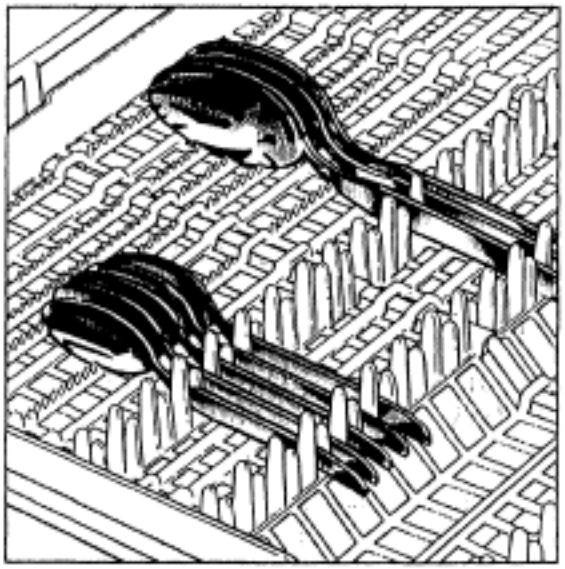
- Unsorted cutlery should be loosely placed in the cutlery basket with handles upwards.
- Small spoons should be placed into the individual slots to either side of the cutlery basket.
- Place large objects, such as soup ladles, long knives, etc., horizontally in front of upper basket.

Loading Dishwasher

Cutlery – for Dishwasher with Cutlery Tray (G 590 SC)

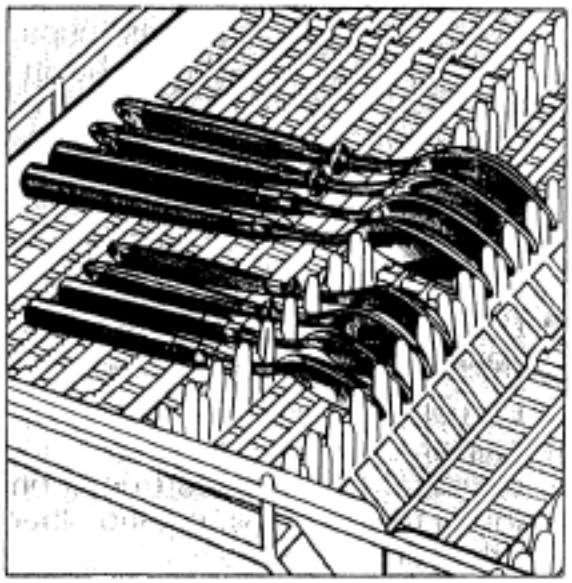
The cutlery tray ensures excellent cleaning and drying results, is easily loaded and prevents objects from getting scratched. The loading and unloading is especially hygienic as only the handles are touched. Sharp knives and forks do not then present a danger.

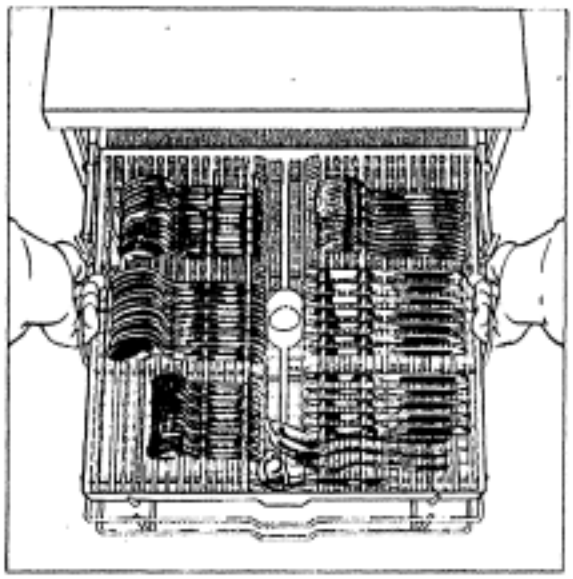
- It is recommended that the cutlery be arranged in zones, i.e. one zone for knives, forks, spoons and teaspoons, etc. This also makes unloading much easier.



- Place spoons sideways into the grids so that water can easily drain off.

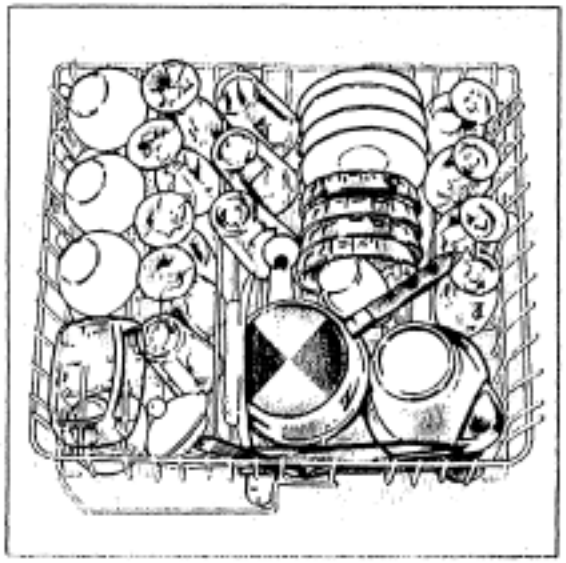
A variety of cutlery may be arranged in the cutlery tray. For instance: Spoons with round or oval handles can be placed the other way around, but make sure the water can easily drain off.



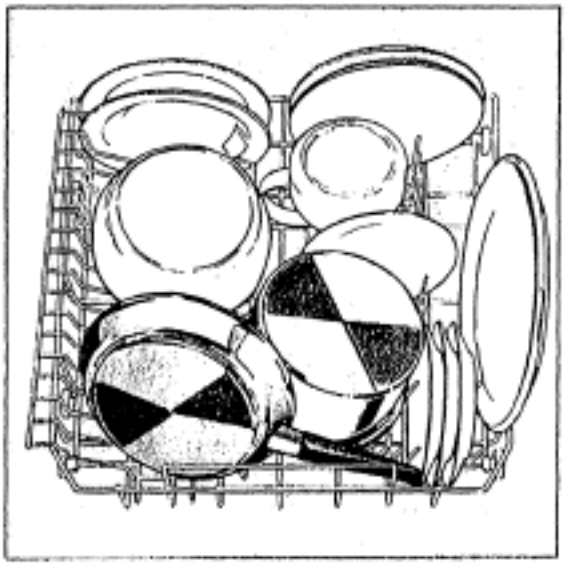


For your information: The cutlery tray is removable, thus making the removal of your cutlery easier.

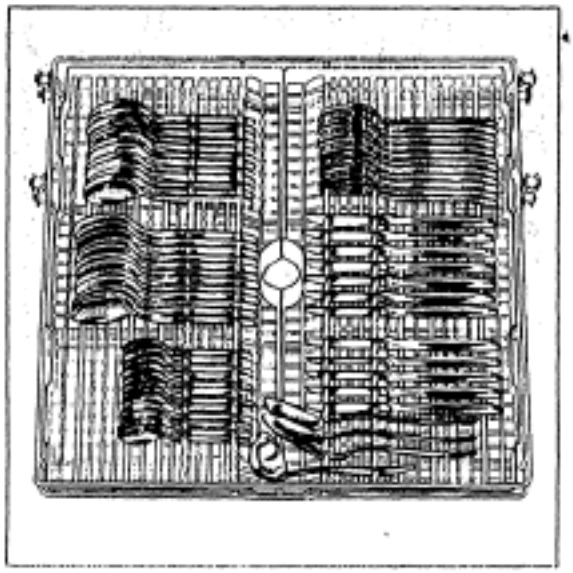
Loading Examples: G 590 SC



Upper Basket



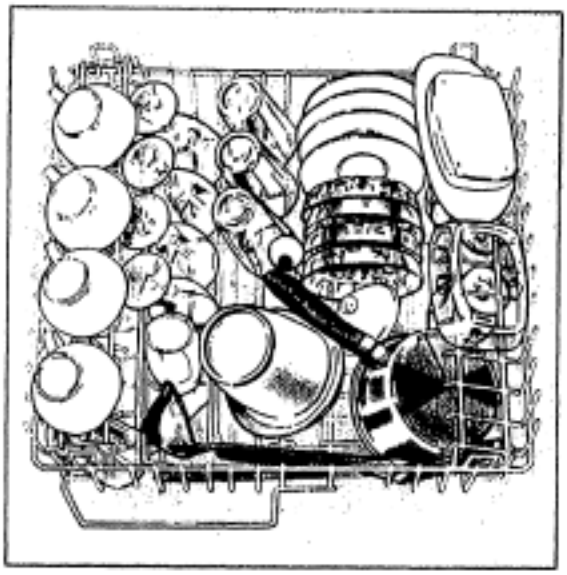
Lower Basket



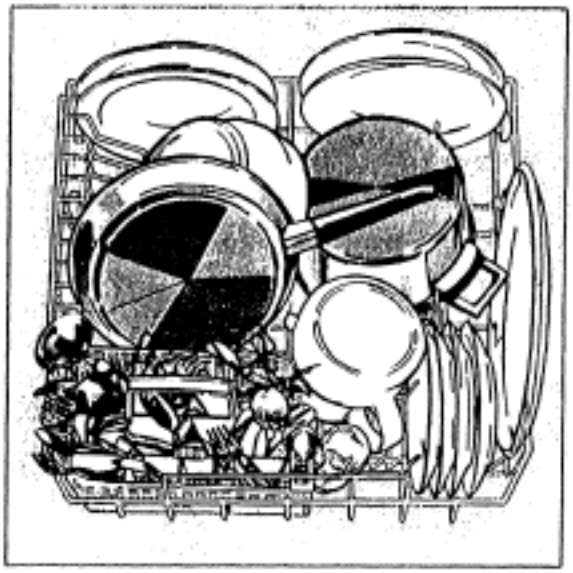
Cutlery Tray

Loading Dishwasher

Loading Examples: G 590

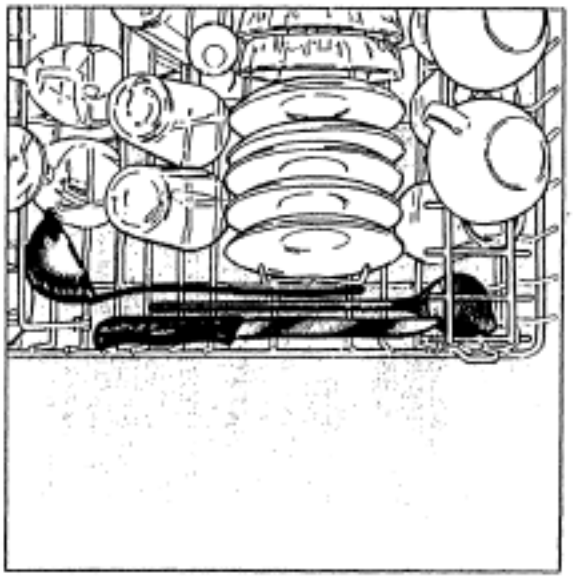


Upper Basket



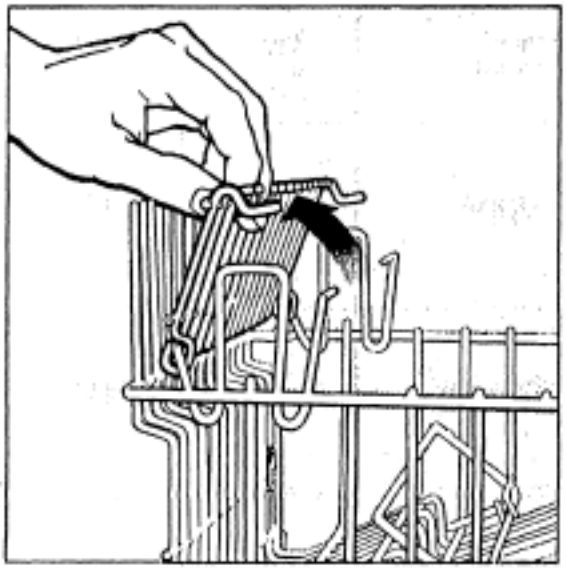
Lower Basket

Cutlery Basket



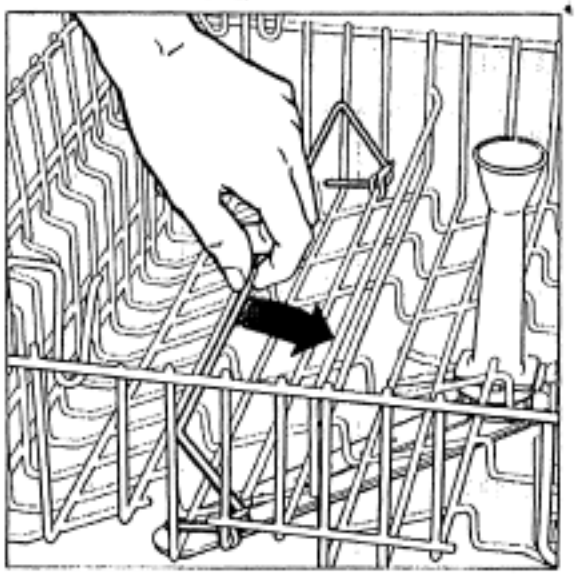
Long Items of Cutlery in Upper Basket

Flip Rack



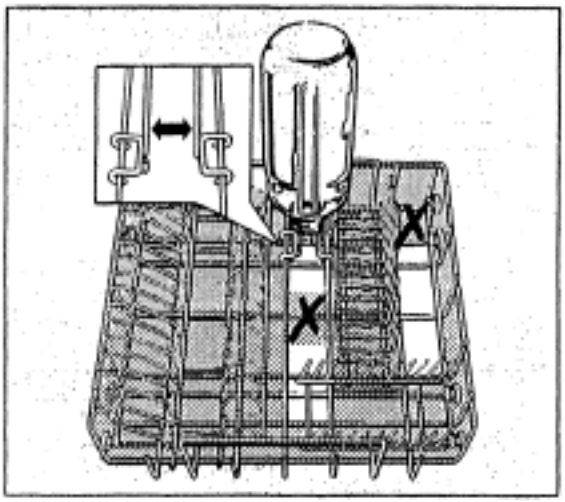
To arrange larger objects, the rack can be raised.

Positioning rail (not G 590 SC)



For easy sorting and removal of dishes the positioning rail can be rested to one side. Raise it again afterwards so that items can rest against it in the basket.

Bottle Accessory

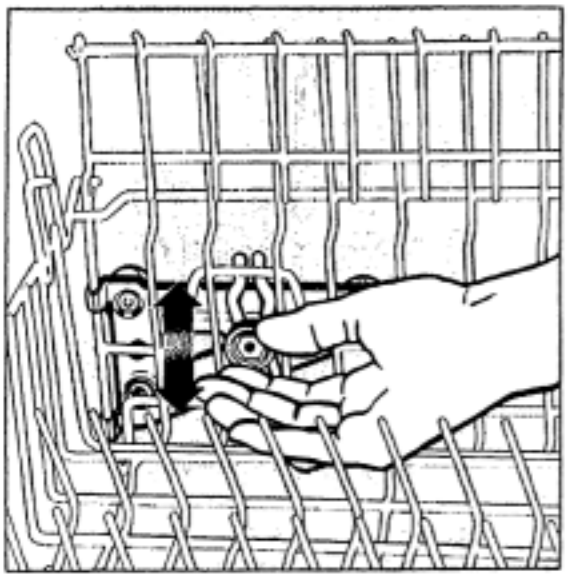


The bottle accessory can be attached at different places within the bottom basket.

Please note: The accessory can only be attached within the white areas - not on the "**X**" locations.

Loading Dishwasher

Adjusting Upper Basket



In order to make room for larger objects in the upper and lower baskets, the position of the upper basket can be changed.

- Pull out upper basket and loosen screws on both sides.
- Lift basket up or down, tighten the screws again.

In this position of the upper basket, plates of following diameters can be fitted (see table).

G 590

Upper basket	Upper basket inch. Ø	Lower basket inch. Ø
Upper	**8"**	**12"**
Center	**9"**	**11"**
Lower	**10"**	**10"**

G 590 SC

Upper basket	Upper basket inch. Ø	Lower basket inch. Ø
Upper	**6"**	**12"**
Center	**7"**	**11"**
Lower	**8"**	**10"**

Not suitable for Dishwasher

- Utensils with wood or plastic handles.
- Wood or plastic objects and cutting boards my warp or split.
- Old knives, blades and handles of old knives may be glued together and therefore should not be cleaned in the dishwasher as the glue may not be heat-resistant.
- Handmade or craft items.
- Copper or tin items.
- Plastic articles may distort if they are not heat-resistant. Only wash plastic articles known to be heat resistant in a dishwasher, in which case, use the top basket only.

  When in doubt, wash by hand.

Please note:

Silver and aluminum articles when used with foods containing sulphur, may suffer some discoloration. Discolorations on silver cutlery can be removed with silver polish.

Painted dishes – over the glaze

Colors painted on over the glaze are generally produced in a quality which, bearing in mind the normal lifespan of the article, can be regarded as permanent.

With frequent use, fading of some delicate colors cannot always be entirely avoided.

If you are not sure whether the colors of a particular set of dishes are permanent, test wash one or two items which are already damaged for about four weeks.

MIELE recommends the following

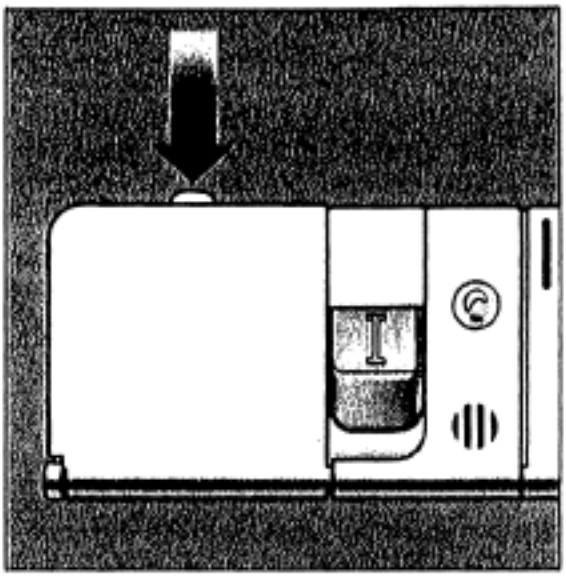
- Glasses should only be washed using the 130° F (55° C) programs. The risk of damage to the surface of the glass, in the form of white clouding, increases with higher temperature.
- Delicate glasses should only be washed using the "China & Crystal" program.
- Because very high temperatures can cause damage to your delicate crystal glasses, we recommend you wash these by hand, if your incoming water is above 115° F (45° C).
- When purchasing new dishes, make sure they are dishwasher-safe.

Adding Detergent

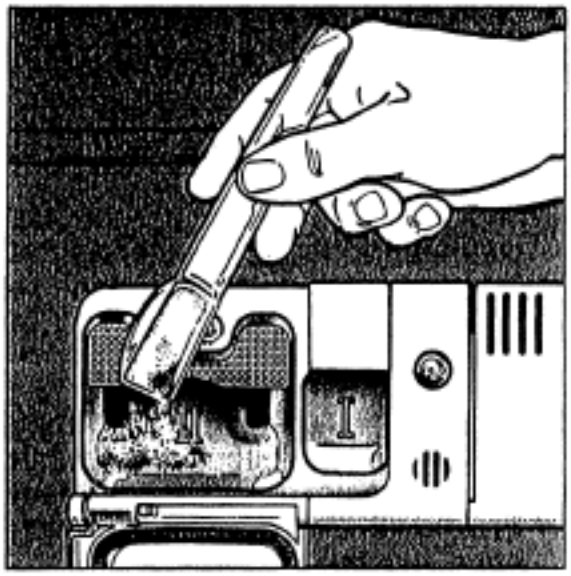
Detergent is poured into the dispenser before each program, except for "Cold Rinse".

Use the correct dosage.

Only use detergents formulated for domestic dishwashers.



- Press the opening catch on the container flap forwards (see arrow). The flap will spring open. The flap is always open at the end of a program.



- Pour in the required amount of detergent. See p. 22.

Pre-wash in small compartment (I)
Main wash in large compartment (II)

- Shut the flap.

Note
Dishwasher detergent contains Sodium Silicate and Sodium Carbonate. In case of eye contact, immediately flush well with water. If swallowed, give large quantities of milk or water. Call a physician. Keep out of reach of children.

- The effectiveness of different detergents can vary. Therefore it may be necessary to add more detergent than is advised on page 22.
- If you buy detergent in bulk, check that the package is always properly sealed after use. Otherwise the detergent can lose its effectiveness.

Select a program according to type of dishes and degree of soils.
In most cases the "Intensive" Program is used.

- "Intensive 55° C/130° F" or (with two pre-wash cycle)
- "Intensive 70° C/160° F" (with two pre-wash cycles)

These programs are particularly suited for daily washings.

Special Programs

On next page various programs and their use are listed.

Types of Programs

Program	Application	Amount of detergent in oz.		Water Hardness
		Pre-wash	Main wash	
Universal Programs				
NORMAL 55° C/ 130° F	Select this program for normal soil of daily dishes.	1/6 1/6	2/3 5/6	1 + 2 3 + 4
NORMAL 70° C/ 160° F	Same as above, but with a higher temperature for dried-on and starchy foods.	1/6 1/6	2/3 5/6	1 + 2 3 + 4
INTENSIVE 55° C/130° F	Same as "Normal 55° C/130° F", but with additional pre-wash cycle for heavily soiled dishes.	1/6 1/6	2/3 5/6	1 + 2 3 + 4
INTENSIVE 70° C/160° F	Same as "Intensive 55° C/130° F", but with higher temperature for dried-on and starchy foods.	1/6 1/6	2/3 5/6	1 + 2 3 + 4
Special Programs				
ECONOMY 55° C/130° F 1/2 load	For half-loaded baskets, with normal soils or fully loaded baskets with lightly soiled dishes, i.e. breakfast dishes.		1/2	1 – 4
ECONOMY 70° C/160° F 1/2 load	Same as above but with higher temperature for starchy foods.		1/2	1 – 4
POTS & PANS	For heavily soiled pots, pans with dried-on foods.	1/2	1	1 – 4
SHORT 45° C/115° F	"Fast Program", for lightly soiled dishes, i.e. party dishes.		1/2	1 – 4
CHINA & CRYSTAL 45° C/115° F	"Delicate Program" for lightly soiled, temperature-sensitive dishes.		1/2	1 – 4
RINSE & HOLD	For rinsing of odorous dishes, when a complete program is not worthwhile.			

[1]) Electric consumption and duration of programs are based on incoming water at 130° F.

[2]) For SC-Model: + 0,5 USG

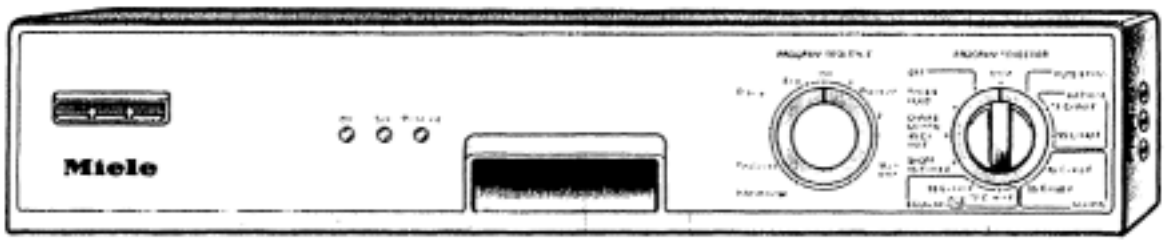
Detergent scoop guide

The scoop for detergent has 4 divisions. Each division has the following values.

division 1 (lower) – 5 gr–1/6 oz
division 2 (2nd –15 gr–1/2 oz
division 3 (3rd –20 gr–2/3 oz
division 4 (top) –30 gr– 1 oz

Program sequence						Usage			Duration	
Pre-wash I	Pre-wash II	Main wash	Interim rinse	Final rinse	Drying	Electric	kWh [1]	Water GALLONS [2]	Minutes (approx.)	[1]
	○	○	○	○	○		0.8	6.3		80
	○	○	○	○	○		0.9	6.3		88
○	○	○	○	○	○		0.75	7.6		83
○	○	○	○	○	○		0.85	7.6		89
		○	○	○	○		0.65	4.7		67
		○	○	○	○		0.85	4.7		75
○	○	○	○	○	○		1.10	7.6		97
		○	○	○			0.28	4.7		31
	○	○	○	○	○		0.45	6.3		68
	○						0.06	2.1		13

Switching ON and OFF



Switching ON

- Close the door.
- Turn the program selector to the required program
  The indicator light "ON" lights up and the wash program begins.

Program Sequence Indicator Light

After selection of program, each stage is shown by the program sequence indicator:

– Pre-Wash
– Main Wash
– Interim Rinse
– Final Rinse
– Drying

In the heating stages of the cleaning and rinsing program, the indicator remains in place until the program-dependent temperature is reached.
A program is finished when the indicator reaches "END". The indicator light also goes out.

The dishwasher may now be opened and unloaded.

If the door remains closed, the drying fan runs an additional few minutes.

We recommend that dishes should not be removed immediately.

Switching OFF

After program is finished,

- Turn program selector to "Stop".

If dishwasher is not being used for extended periods of time,

- Move program selector from "Stop" position to "Off" position.

Changing program

A program may be changed at any time.

To interrupt a program

The program is interrupted immediately when the door is opened. When the door is shut again the program continues from the point where it was interrupted.

Take care

If the water in the dishwasher is hot, there is a danger of scalding. Only open the door if absolutely necessary, and then with greatest care.

Important

Lean, but do not close the door for 20 seconds before firmly shutting the door. This will keep a balanced temperature in the wash cabinet.

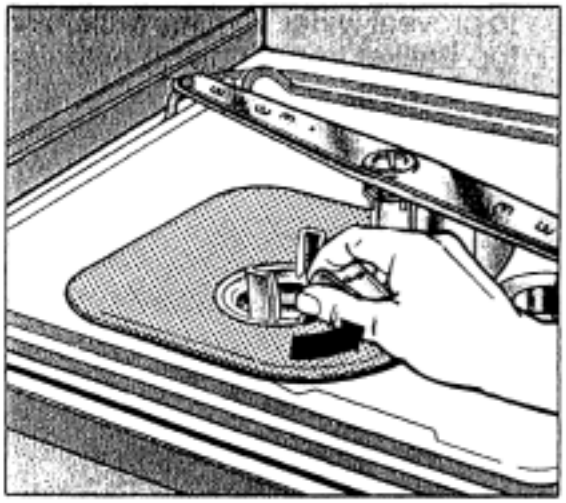
- Hot dishes are sensitive to shocks. Therefore, allow dishes to remain in dishwasher for approximately 15 minutes to cool off.
- If the door is kept open, the load will cool off faster.
- The bottom basket should be cleared first.
- Unload from the bottom upwards to prevent water from the cutlery or top basket from dripping onto the lower level.

Cleaning the filters in the wash cabinet:

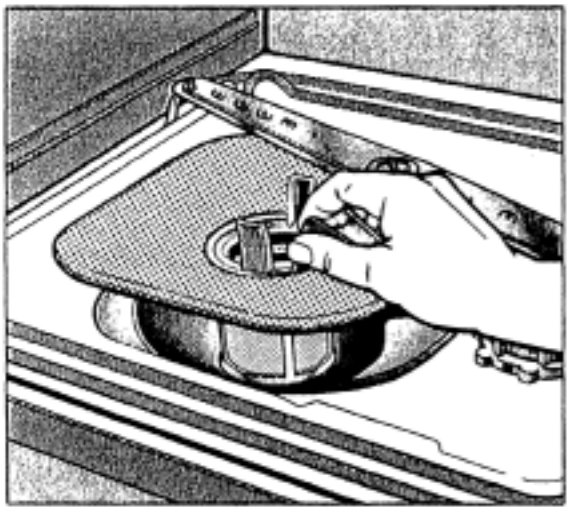
> Never wash dishes without the filters in place!

It is of utmost importance that the filters are kept clean:

Removing left-over soils

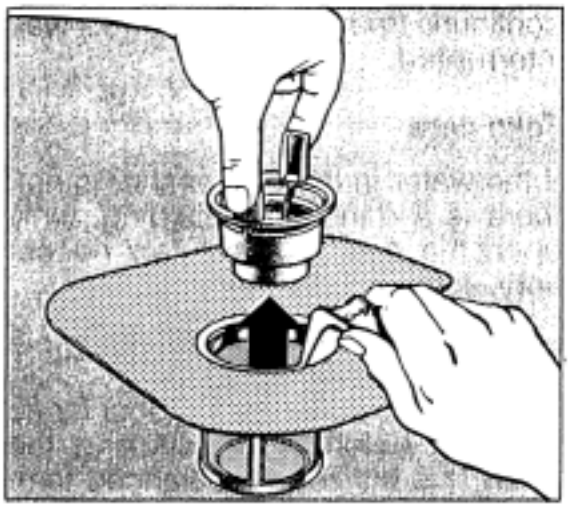


- Swing the handle to the right. This unlocks the filter combination.

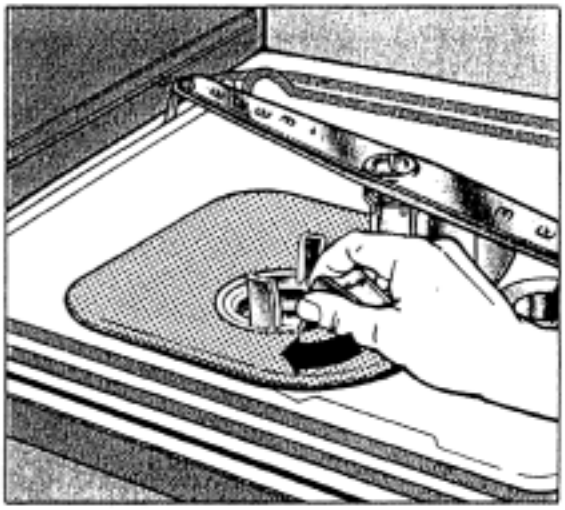


- Remove filter combination. Remove coarse soils and rinse under running water.

Most of the coarse soils are collected in the coarse filter. Cleaning of coarse filter is easier when it is removed from the micro-fine filter.



- Push the coarse filter through the bottom of the micro-fine filter and clean.
- When re-assembling, make sure that the filter combination fits smoothly.

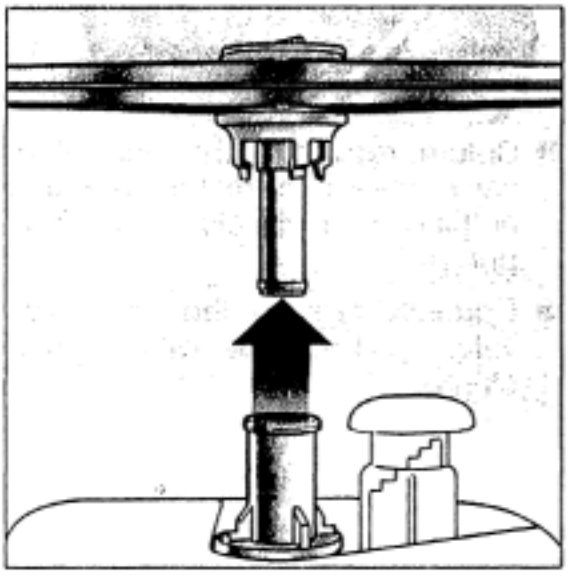


- Replace filter combination so that it lies flush on the floor of the wash cabinet. Swing the handle from right to left to lock in place.

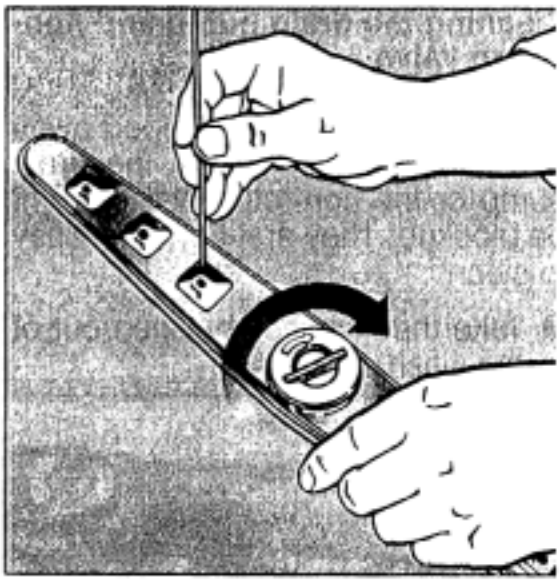
Cleaning the spray arms

Particles of food can get stuck in the spray arm jets. The spray arms should be inspected and cleaned regularly (approx. every 6 months).

- Remove all baskets and unscrew the upper and middle spray arms.
- In dishwashers with a cutlery tray the upper spray arm is easy to unscrew if the upper basket stays pushed in and just the cutlery tray is pulled out.



- Lift the lower spray arm upwards to remove it.

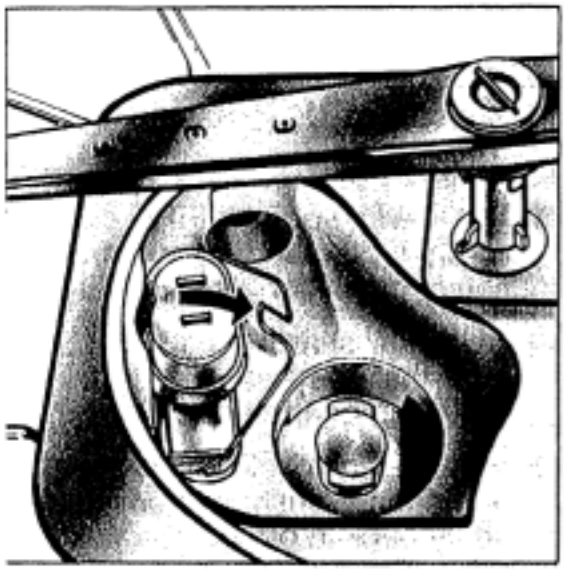


- The lower spray arm is easy to clean. Open the cap in the direction of the arrow (see illustration).
- Using a sharp, pointed object push the food particles into the jets and rinse under running water.
- After cleaning close up the cap again and push the spray arm firmly back in place.
- When replacing the upper spray arm ensure the spray holes point upwards and the spray slits point downwards.
- After replacing the spray arms check that they move freely.

Cleaning the drain pump and non-return valve

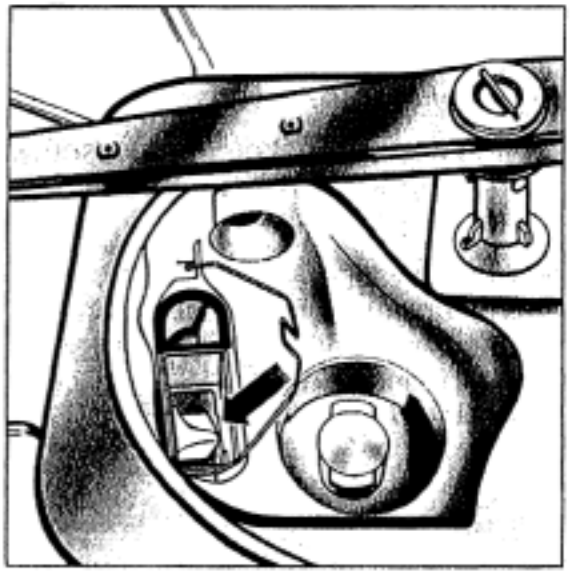
If water has not been pumped away at the end of a program the drain pump or the non-return valve might be blocked. They are, however, easy to clean.

- Take the filter combination out of the wash cabinet.



- Raise the locking clamp and lift up the non-return valve.
- Rinse the non-return valve under running water.

The drain pump is situated under the non-return valve (see arrow).

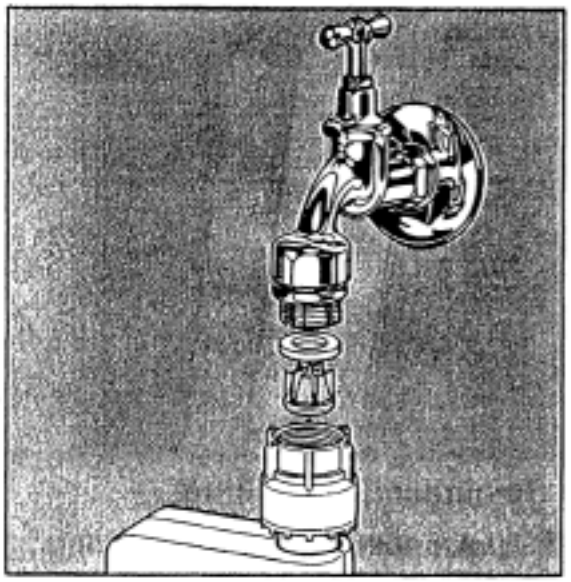


- Before replacing the non-return valve check to make sure that nothing is obstructing the drain pump.
- Carefully replace the non-return valve and secure with locking clamp.

Cleaning the filter in the water inlet

A filter is incorporated in the screw connection of the valve on the water inlet hose. The filter must be cleaned when dirty, otherwise insufficient water flows into the wash cabinet.

Warning
The plastic housing of the water connection hose contains an electrical component.
It must not be submerged in water.



To clean the filter

- Switch off the dishwasher.
- Turn off the water inlet valve and unscrew the inlet hose.
- Carefully remove the rubber seal.
- Remove the filter, using pointed pliers and clean.
- Replace filter and seal. Make sure they are sitting correctly.
- Screw back into the water inlet, taking care that it goes back on straight.
- Turn on the water inlet valve gradually to test for leaks. If there is a leak, screw the connections on more tightly.

Fitting an in-line water filter

If the water contains a large number of insoluble substances, we recommend fitting a large area filter in the connection between the water inlet valve and the water inlet hose. These filters can be obtained from the Miele Spare Parts Department (Part no. 75577).

Cleaning

- The control panel should only be wiped with a damp cloth.

Do not use a scouring agent.

- The front of the dishwasher should be cleaned with a product suitable for the type of front fitted.
  Front panels made of wood should only be rubbed down with a damp cloth and dried.
  Do not use any cleaning agent containing ammonia or thinners!

The control panel

- Should only be wiped with a damp cloth.

DO NOT USE A SCOURING AGENT.

Fitted fronts

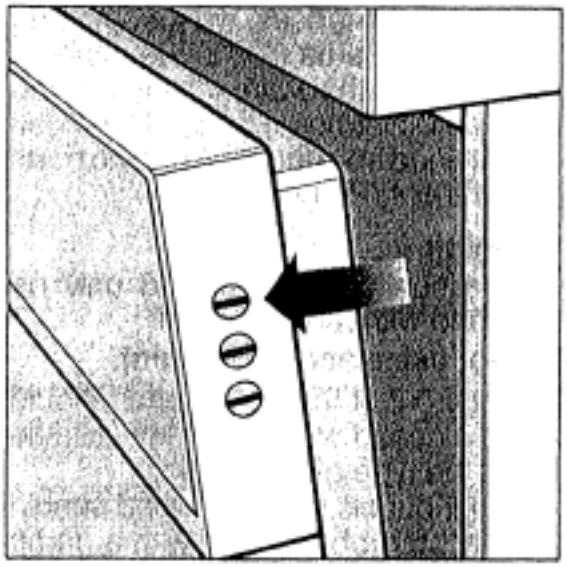
- Should be cleaned with a product suitable for the type of door fitted.
  Fronts made of wood should only be rubbed down with a damp cloth and dried with a paper.

DO NOT USE ANY CLEANER CONTAINING AMMONIA OR THINNERS.

Additional Functions

Non-heated drying

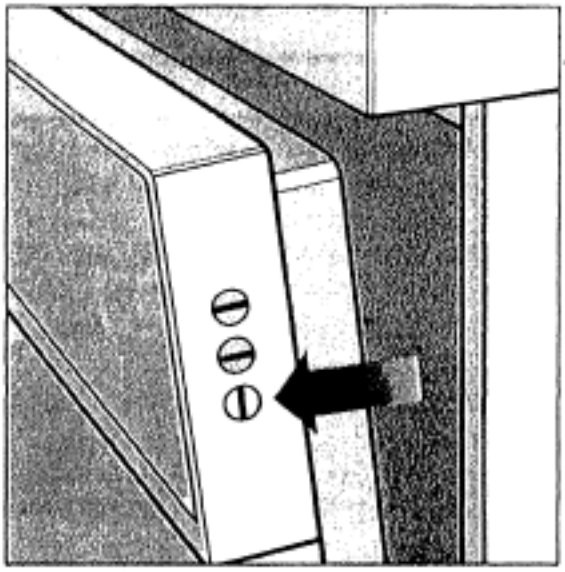
- The heating element can be switched off by turning the upper switch into the horizontal position as shown, using a coin.



Turbothermal drying

In the ventilation drying system damp air from the dishwasher is mixed with air drawn in from the room, then expelled through the air vent in the control panel and mixed with air in the room.

Although the ventilation system gives the best results, if the damp air extraction disturbs you (e.g. in a small kitchen) the drying phase can be switched to re-circulation.

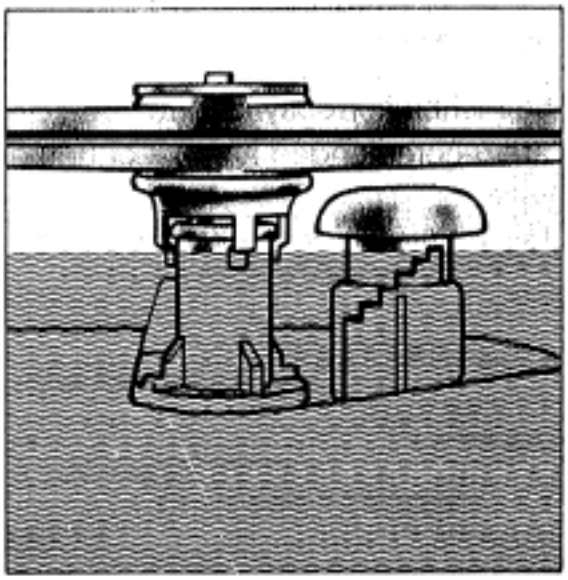


"Re-circulation" setting

- Use a coin to adjust the setting to "re-circulation"

To check the water level

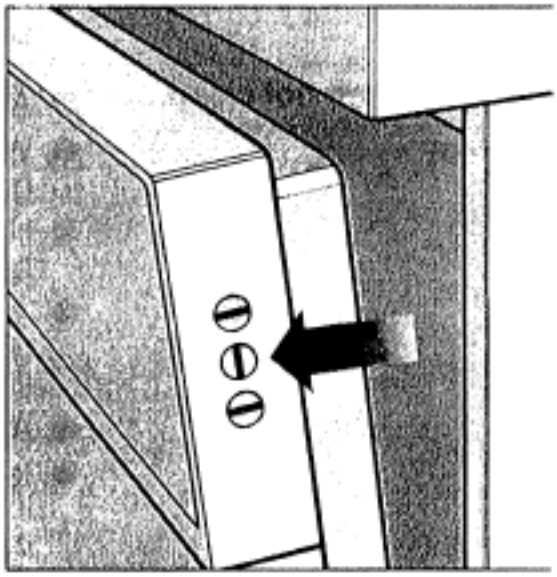
- Start the "Cold" program.
- After approx. 3 minutes open the door and remove the lower basket from the machine.



The water level is correct if it is within the area shown in the illustration. If the water level is below this level there is too little water.

Increasing the water level

If the water pressure is lower than 14.5 psi, not enough water enters the wash cabinet.



Switch Position:
"Level-controlled water intake"

- Using a coin, set selector to "level-controlled water intake".

Important

If your dishwasher has been adjusted for level and time fill option, then the water hardness setting must be reset to one level higher (i.e. harder) than you would normally set it. (see p. 8)

Dealing with Minor Faults

Fault	Check for possible causes
The dishwasher does not start ...	● Has the door been properly closed? ● Is the plug correctly inserted in the outlet and is the fuse in order? ● Have you followed the correct program selection sequence as instructed?
The dishes are not clean ...	● Are the dishes correctly loaded? ● Was the recommended amount of detergent used? ● Has the water inlet valve (water supply) been fully turned on? ● Are the filters in the wash cabinet clean (especially the micro-fine filter), and have they been correctly inserted? ● Are the water inlet filters clean? ● Is the water pressure too low so that insufficient water is admitted to the wash cabinet? If so, the fill time can be extended (see page 31). ● Is the filter in the water inlet blocked? (see page 29)

Fault	Check for possible causes
The dishes are not sparkling clean ...	● Is there any Rinse Aid in the storage container? ● Is the amount of Rinse Aid sufficient? Note: Where water contains impurities or too much residue, this can, in certain circumstances mean that glasses do not have a sparkling finish, as residues from the water may have been deposited, leaving marks.
The cutlery is badly stained ...	● Is there enough salt in the salt container? ● Is the cap of the salt container properly closed?
Salt light stays on after adding salt	If the salt light is still on after replenishing the salt reservoir this is probably due to granules of salt affecting the position of the green float. Unscrew the cap again and rinse the float to dislodge them. Screw the float cap back into the socket in the cabinet. Add slightly less salt next time.
If after program is finished, there is water in the wash cabinet, check if:	● The water drainage hose is bent. ● The drainage hose or the valve are clogged (see page 28). Should you still have difficulties, please contact your MIELE Dealer or the MIELE Service Department (see back cover for address) and give Type and Model of appliance. This information can be found on the data plate on inside of door.

Installation

The dishwasher must be installed correctly. Follow the installation guidelines in the separate booklet carefully.

- The dishwasher must be installed correctly and leveled accordingly. Any unevenness in the floor level can be compensated by adjusting the screw feet:

Adjustments
(Total height)

Standard Model **32½"**

Adjustable Height **34½"**

Building under

"U" and "i" models are designed specifically for building under a continuous countertop.

To ensure stability, these dishwashers must not be installed "free standing". They must be installed under a continuous countertop which has been firmly screwed to neighboring cabinets.

On "i" models the door panel should not weigh more than 12 lbs.

Electrical Connection

The appliance is delivered complete with cable and plug for A.C. (alternating current) electrical power 120 Volt, 60 Hz.
Connect the appliance only to a regular 15 Amp electrical outlet.

The appliance must be grounded and the connection must be done according to regulations and local codes.

Rated Load: 1.5 kW

Fuse Rating: 15 A

Connection Cable: Approx. 4' long.

All electrical work should be carried out by a qualified electrician in accordance with national and local regulations.

See separate installation instructions

Plumbing

Water Connection

- The inlet hose is approx. 4' long; a longer hose (12') may be bought from the Miele Spare Parts Department.
- A shut-off valve with a 3/8" compression fitting connection is necessary or 3/4" male hose thread shut-off valve.
- For the Miele "Waterproof" leak protection system to function properly, the inlet hose must be connected to the shut off valve in the correct manner. Please follow the separate installation instructions for the "Waterproof system" unit.
- Water pressure must be between 14.5 PSI and 145 PSI. Max. temp. 140° F.
  In case of varying or extra low pressure, the MIELE Service Dept. will advise.

  NB: The dishwasher is suitable for hot water connection.

Water drainage

- A non-return valve is built into the appliance to prevent dirty water from running back into the dishwasher.
- The appliance is equipped with a 4' long flexible hose, approx. 7/8" in diameter.
- Longer drain hoses are available.
- A hose clamp is enclosed for connection to drain system.
- The drainage hose should not be longer than 12' and pump height should not exceed 3'.
- The drainage hose should not be shortened.

Please follow the enclosed installation instructions carefully

Height "U" and "i" Models:	32 1/2" – 34 1/2"
Width:	23 5/8"
Depth:	22 1/2"
Depth "U" and "i" Models:	22 1/2"
Depth with open Door:	
"U" Model:	45 1/2"
"i" Model:	45 1/2"
Power Supply:	120 V, 60 Hz, 1-phase
Rated Load:	1.5 kW
Fuse Rating:	15 A
Water Pressure:	14.5 – 145 PSI
Hot Water Connection:	max. 140° F
Drainage Pump Height:	max. 3'
Drain Hose Length:	max. 12'

Important additional information!

Recently almost all detergent manufacturers have launched new detergents with a different composition in addition to standard types.

Should you experience difficulties when using these types of products, please contact Miele Customer and Technical Services Department, or the detergent manufacturer's own Advisory Service.

These new dishwashing detergents, although welcome from an ecological point of view, react to a different degree from conventional products to water hardness. The drawbacks only become apparent after a prolonged period of use.

The following problems may occur:

- White deposits on crockery and inner cabinet.
- Increased etching in the form of a bluish sheen on the surface of glassware.
- Discolouration of silverware.

Appearances of this nature are generally caused by the detergent used and are not attributable to any malfunctioning of the dishwasher itself.

Preventative measures:

If you wish to continue using chlorine and phosphate-free products, the following is recommended:

1. *)Even if the water hardness is as low as 0.7 mmol/l (4°dH), salt should still be used in the water softener to prevent the above-mentioned white deposits.
2. *)Turn the water hardness selector one setting higher than recommended in the operating instructions if water hardness is just within the upper limits of a range.

Example: If water hardness is above 3.2 mmol/l (18°dH) then setting 3 should be selected.

3. Try out an environmentally friendly detergent of the same type from another manufacturer.
4. Dispense exactly the amount recommended by the manufacturer.
5. Only pour detergent into Compartment II of the dispenser.

If you are still dissatisfied with the results, we recommend the use of chlorine-free but not phosphate-free detergent.

1. *)Water softener settings should be exactly as stated in the operating instructions, i.e. no change.
2. Dispense as recommended by the detergent manufacturer.
3. Only pour detergent into Compartment II of the dispenser.

If results are still not to your satisfaction, you should revert back to using conventional detergents containing both chlorine and phosphate, in which case the water softener settings stated in the operating instructions should be followed.

Comparing detergents

Use the following quantity of phosphatefree detergents: 25 g in Compartment II.

*) – Follow the operating instructions for Novotronic dishwashers.
– This applies only to models with a built-in water softener.

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